What is claimed is:

1) A catalyst useful in the formation of polyisocyanurate foam from an isocyanate and a polyol comprising:

- a) an amine component comprising N,N,N'-trimethylaminoethyl-ethanolamine; and
 - b) a trimer catalyst component.
- 2) A catalyst according to claim 1 wherein said trimer catalyst comprises an alkalimetal salt of a carboxylic acid.
 - 3) A catalyst according to claim 2 wherein said salt is selected from the group consisting of: octoate salts and acetate salts of an element selected from the group consisting of: lithium, sodium, potassium, and cesium.

15

4) A catalyst according to claim 1 further comprising an additional amine component.

5) A catalyst according to claim 4 wherein said additional amine component is selected from the group consisting of: pentamethyldiethylenetriamine; dimethylcyclohexylamine; 2,2'-oxybis (N,N-dimethylethanamine); aminophenol; dimethylethanolamine; dimethylpiperazine; N-ethylmorpholine; N-methylmorpholine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl; 1,3-propanediamine,N'-(3-(dimethylamino)propyl)-N,N-dimethyl; 2-propanol, 1-(bis(3-dimethylamino)propyl) amino); 2-((2-(2-(dimethylamino)ethoxy)ethyl)mathyl-amino)-ethanol; dimethylaminoethoxyethanol; 1,3-propanediamine, N-[3-

(dimethylamino)propyl]-N',N'-dimethyl; morpholine, 4,4'-(oxydi-2,1-ethanediyl)bis-dimorpholino ethane; and triethylenediamine.

(dimethylamino)propyl]-N,N',N'-trimethyl; 1,3-propanediamine, N, N-bis[3-

- 6) A catalyst according to claim 1, further comprising an organotin compound.
- 15 7) A process for producing an isocyanurate foam product comprising the steps of:
 - a) providing an isocyanate and a polyol;
 - b) providing a catalyst comprising:
 - i) an amine component comprising N,N,N'-trimethylaminoethyl-ethanolamine; and
- 20 ii) a trimer catalyst component;

5

c) contacting said isocyanate and said polyol in the presence of said catalyst.

8) A process according to claim 7 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.

- 9) A process according to claim 7 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrosederived polyols, sorbitol-derived polyols, and combinations thereof.
- 10) A process according to claim 7 wherein said trimer catalyst is selected from the

 10 group consisting of: potassium octoate; potassium acetate; JEFFCAT® TR-52; 2
 hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl

 trimethylammonium formate.
- 11) A process according to claim 7 wherein said catalyst further comprises: iii) a second

 amine component selected from the group consisting of: pentamethyldiethylenetriamine;

 dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine;

 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl;

 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl;

 aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'
 trimethyl.

12) A process for producing an isocyanurate foam product comprising the steps of:

- a) providing an isocyanate and a polyol;
- b) providing a blowing agent;
- c) providing a catalyst comprising:
- i) an amine component comprising N,N,N'-trimethylaminoethylethanolamine; and
 - ii) a trimer catalyst component;
 - d) contacting said isocyanate and said polyol in the presence of said catalyst and said blowing agent.

10

- 13) A process according to claim 12 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.
- 14) A process according to claim 12 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrosederived polyols, sorbitol-derived polyols, and combinations thereof.
- 15) A process according to claim 12 wherein said trimer catalyst is selected from the group consisting of: 2-hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl trimethylammonium formate.

16) A process according to claim 12 wherein said blowing agent is selected from the group consisting of: water, carbon dioxide, pentane, isopentane, cyclopentane, butane, R-141b®, and R-245FA®.

- 5 17) A process according to claim 12 wherein said catalyst further comprises: iii) a second amine component selected from the group consisting of:

 pentamethyldiethylenetriamine; dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl; 1,3-propanediamine, N, N-bis[3-
- (dimethylamino)propyl]-N',N'-dimethyl; aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl.
 - 18) A polyisocyanurate foam comprising N,N,N'-trimethylaminoethyl-ethanolamine.
- 15 19) A polyisocyanurate foam comprising N,N,N'-trimethylaminoethyl-ethanolamine and a trimer catalyst.
 - 20) A foam according to claim 18 wherein said trimer catalyst is selected from the group consisting of: potassium octoate, and potassium acetate.

20